

a substantially U-shaped core of dielectric material including a transmit arm, a receive arm and a base portion joining the transmit arm to the receive arm, each arm having an inwardly facing surface and an outwardly facing surface and each arm defining a series of through-holes, each through-hole extending through the arm between an opening at the inwardly facing surface and an opening at the outwardly facing surface; and

a pattern of metallized and unmetallized areas on the core including,
a wide area of metallization,
a first unmetallized area surrounding a plurality of the through-hole openings on the outwardly facing surface of the transmit arm,
a second unmetallized area surrounding a plurality of the through-hole openings on the outwardly facing surface of the receive arm,
a transmitter pad metallized area on the transmit arm for receiving the outgoing signal,
a receiver pad metallized area on the receive arm for providing the incoming signal,
an antenna pad metallized area on the base portion for receiving the incoming signal and outputting the outgoing signal, and
a bridge metallized area extending between the transmit arm and the receive arm.

Please replace claim 20 as follows:

20. The filter according to claim 1 wherein the receive arm outwardly facing surface has a metallization pattern as shown in FIG. 3.

Please replace claim 21 as follows:

21. The filter according to claim 1 wherein the series of through-holes defined by the transmit arm are each axially aligned with the series of through-holes defined by the receive arm.

Please cancel claims 22-27.

Please replace claim 32 as follows:

32. A duplexing communication signal filter adapted for connection to an antenna, a transmitter and a receiver for filtering an incoming signal from the antenna to the receiver and for filtering an outgoing signal from the transmitter to the antenna, the filter comprising:

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a substantially U-shaped core of dielectric material including a first arm, a second arm and a base portion joining the first arm to the second arm, each arm defining a series of through-holes extending through the arm; and

a surface pattern of metallized and unmetallized areas on the core including,

a wide area of metallization,

a first unmetallized area surrounding at least one of the through-holes of the transmit arm,

a second unmetallized area surrounding at least one of the through-holes,

a transmitter pad metallized area on the first arm for receiving the outgoing signal,

a receiver pad metallized area on the second arm for providing the incoming signal,

an antenna pad metallized area on the base portion for receiving the incoming signal and outputting the outgoing signal, and

a bridge metallized area extending between the first arm and the second arm being capacitively coupled to the antenna pad.

Please cancel ~~claim~~ 33.

REMARKS

In response to the Office Action mailed 10 February 2003 on the above-identified applications, Applicants elect without traverse claims 1-21 and claims 28-32, which are directed to Species I. Non-elected claims 22-27 and 33 have been cancelled without prejudice.